

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JULIEN SENEGAS</td> <td>12/16/2011</td> </tr> <tr> <td>JENS VON BERG</td> <td>12/07/2011</td> </tr> <tr> <td>ERIC COHEN-SOLAL</td> <td>01/09/2012</td> </tr> <tr> <td>SEBASTIAN PETER MICHAEL DRIES</td> <td>01/04/2013</td> </tr> <tr> <td>MICHAEL CHUN-CHIEH LEE</td> <td>12/20/2011</td> </tr> <tr> <td>TIM NIELSEN</td> <td>12/14/2011</td> </tr> <tr> <td>STEFANIE REMMELE</td> <td>12/07/2011</td> </tr> <tr> <td>TORBJORN VIK</td> <td>12/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	JULIEN SENEGAS	12/16/2011	JENS VON BERG	12/07/2011	ERIC COHEN-SOLAL	01/09/2012	SEBASTIAN PETER MICHAEL DRIES	01/04/2013	MICHAEL CHUN-CHIEH LEE	12/20/2011	TIM NIELSEN	12/14/2011	STEFANIE REMMELE	12/07/2011	TORBJORN VIK	12/14/2011
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STEFANIE REMMELE	12/07/2011																		
TORBJORN VIK	12/14/2011																		
RECEIVING PARTY DATA																			
Name:	KONINKLIJKE PHILIPS ELECTRONICS N.V.																		
Street Address:	GROENEWOUDSEWEG 1																		
City:	EINDHOVEN																		
State/Country:	NETHERLANDS																		
Postal Code:	5621 BA																		
PROPERTY NUMBERS Total: 1																			
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13993088</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13993088														
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Application Number:	13993088																		
CORRESPONDENCE DATA																			
Fax Number:	9143320615																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	914-945-6000																		
Email:	patti.demichele@philips.com																		
Correspondent Name:	PHILIPS INTELLECTUAL PROPERTY & STANDARD																		
Address Line 1:	P.O. BOX 3001																		
Address Line 4:	BRIARCLIFF MANOR, NEW YORK 10510																		
ATTORNEY DOCKET NUMBER:	2010P01220WOUS																		

PATENT

NAME OF SUBMITTER:	Benjamin Y. Han
Signature:	/Benjamin Y. Han/
Date:	06/11/2013
Total Attachments: 7 source=2010P01220WOUS_Assignment#page1.tif source=2010P01220WOUS_Assignment#page2.tif source=2010P01220WOUS_Assignment#page3.tif source=2010P01220WOUS_Assignment#page4.tif source=2010P01220WOUS_Assignment#page5.tif source=2010P01220WOUS_Assignment#page6.tif source=2010P01220WOUS_Assignment#page7.tif	

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:


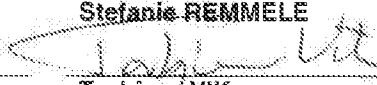
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- was filed on, having a Serial No.
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I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

<u>14.12.2011</u> Date	(sign name here) (print name here)	 Julien SENEGAS	, Assignor
..... Date	(print name here)	Jens VON BERG	, Assignor
..... Date	(print name here)	Eric COHEN-SOLAL	, Assignor
..... Date	(print name here)	Sebastian Peter Michael DRIES	, Assignor
..... Date	(print name here)	Michael Chun-chieh LEE	, Assignor
..... Date	(print name here)	Tim NIELSEN	, Assignor
..... Date	(print name here)	Stefanie REMMELE	, Assignor
<u>14.12.2011</u> Date	(print name here)	 Torbjørn VIK	, Assignor

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.....	(sign name here)	, Assignor
Date	(print name here)	Julien SENEGAS
<i>7.9.2011</i>	<i>Jon Deij</i>	, Assignor
Date	(print name here)	Jens VON BERG	.....
.....	(print name here)	.....	, Assignor
Date	(print name here)	Eric COHEN-SOLAL	.....
.....	(print name here)	.....	, Assignor
Date	(print name here)	Sebastian Peter Michael DRIES	.....
.....	(print name here)	.....	, Assignor
Date	(print name here)	Michael Chun-chieh LEE	.....
.....	(print name here)	.....	, Assignor
Date	(print name here)	Tim NIELSEN	.....
.....	(print name here)	.....	, Assignor
Date	(print name here)	Stefanie REMMELE
.....	(print name here)	, Assignor
Date	(print name here)	Torbjorn VIK

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Date	(print name here)	Julien SENEGAS	_____
_____	(print name here)	Jens VON BERG	, Assignor
Date	(print name here)	_____	_____
Jan 9, 2012	(print name here)	Eric COHEN-SOLAL	, Assignor
Date	(print name here)	_____	_____
_____	(print name here)	Sebastian Peter Michael DRIES	, Assignor
Date	(print name here)	_____	_____
_____	(print name here)	Michael Chun-chieh LEE	, Assignor
Date	(print name here)	_____	_____
_____	(print name here)	Tim NIELSEN	, Assignor
Date	(print name here)	_____	_____
_____	(print name here)	Stefanie REMMELE	, Assignor
Date	(print name here)	_____	_____
_____	(print name here)	Torbjorn VIK	, Assignor
Date	(print name here)	_____	_____

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..... Date	(print name here)	Jens VON BERG , Assignor
..... Date	(print name here)	Eric COHEN SOLAL , Assignor
<i>2013-01-06</i> Date	(print name here)	Sebastian Peter Michael DRIES , Assignor
..... Date	(print name here)	Michael Chun-chieh LEE , Assignor
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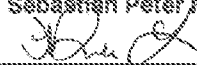
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..... Date	(print name here)	Sebastian Peter Michael DRIES , Assignor
<u>20 Dec 2011</u> Date	<u>Michael Chun-chieh Lee</u> (print name here)	 Michael Chun-chieh LEE , Assignor
..... Date	(print name here)	Tim NIELSEN , Assignor
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..... Date	(print name here) Michael Chun-chieh LEE , Assignor
2011.12.2011 Date	<i>NIELSEN</i> (print name here)	<i>NIELSEN</i> Tim NIELSEN , Assignor
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..... Date	(print name here) Torbjørn VIK , Assignor

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